

TALON® Robots

From reconnaissance to rescue, always ready on any terrain

Since its introduction more than a decade ago, QinetiQ North America's TALON® family of robots has earned a reputation for durability, flexibility, modularity and performance in keeping personnel, assets and civilians out of harm's way. In military, law enforcement and first responder applications, these lightweight tracked vehicles are widely deployed for improvised explosive device (IED) and explosive ordnance disposal (EOD), reconnaissance, communications, CBRNE (Chemical, Biological, Radiological, Nuclear, Explosive)/hazmat, security, heavy lift, defense and rescue missions.

Of the full range of robots QinetiQ North America develops – with varying sizes and capabilities to help protect warfighters and first responders dealing with a variety of scenarios – the best-known robot is TALON. Initially deployed in 2000, the TALON robot system has grown to include many specialized models, modules, attachments, and applications, from route clearance missions to SWAT/MP unit support.

Large enough to get the job done, yet small enough to be easily transported, the TALON is a remarkable achievement in robotic technology. The full TALON line includes:

- **TALON Military** – The original, standard TALON robot
- **TALON CBRNE/Hazmat** – Configured with hazardous material detection devices
- **TALON w/GEN IV Heavy Lift** – Equipped with a heavy duty rotating shoulder and longer reach than a standard TALON
- **TALON Responder** – Designed specifically for urban and public safety applications
- **TALON SWAT/MP** – Equipped for tactical scenarios frequently encountered by SWAT units and MPs

The TALON is fast and mobile, able to climb stairs, negotiate rock piles, overcome concertina wire and plow through snow. The robots have been used worldwide, from Ground Zero after the 2001 World Trade Center attack – where it withstood repeated decontamination – to Iraq, where a TALON deployed with an EOD team was borrowed by a nearby infantry unit to follow a bomb-wielding insurgent into a building. The insurgent dropped the building, but the TALON survived.

Rugged, easy to use, and – most importantly – protecting the lives of those who protect ours. TALON delivers.



TALON has the highest payload capacity and payload-to-weight ratio to support a broad array of sensor packages.

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The TALON family of robots is configurable enough to meet almost any need in any environment:

- 115 lbs to 156 lbs (52 kg to 71kg) – easily transported
- Rugged and mobile
- Longest battery life of all man-portable robots
- Three infrared-illuminated color cameras, including a pan/tilt mast with 300:1 zoom camera
- High payload capacity supports a broad range of sensor packages
- Fastest robot on the market
- Easy to operate, maintain and sustain
- Attachments include two-way hailer, universal disruptor mount, thermal camera upgrade packages and magnetic antenna mounts

TALON Responder

- Equipped to serve in highly radio frequency-congested inner cities
- Long distance remote operation
- Disruptor-ready manipulator arm, wrist and gripper for exceptional combined lifting, dragging, towing and grabbing capabilities
- Up to 30 inch-pounds of force on a 6" wide object
- Long-range and agile wireless digital and analog communications

TALON SWAT/MP

- Two-way hailer enables two-way audio transmissions at long distances
- Extended reach capability
- Night vision and thermal cameras
- Choice of weapons for lethal, less than lethal and non-lethal responses
- Digital radio system supports enhanced reception, even in cluttered environments

TALON CBRNE/HAZMAT

- Tray- and gripper-mounted detection capabilities
- Easy on/easy off mounting tray with attachment brackets for the Joint Chemical Agent Detector (JCAD), MultiRAE, AN/UDR14 and Raytek sensors
- Controllers feature gamepad devices, quad screens, touch screens and daylight readable displays

TALON GEN IV Heavy Lift

- Designed to detect and clear mines, unexploded ordnance and dangerous IEDs from a safe distance
- Heavy-duty rotating shoulder and sturdier gripper
- Capable of lifting 65 lbs
- Stronger, longer reach than standard TALON robot
- Lightweight and reduced-size Operator Control Unit with touch screen, gamepad control and more versatile radio (802.11 digital, analog, COFDM digital) options



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